

## Message Text

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42

ACTION EUR-25

INFO OCT-01 ISO-00 CIAE-00 PM-07 INR-10 L-03 NEA-10

NSAE-00 PA-04 RSC-01 PRS-01 SPC-03 USIA-15 TRSE-00

SAJ-01 SS-20 NSC-10 AEC-11 ACDA-19 OMB-01 DRC-01 /143 W

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R 081031Z DEC 73

FM USMISSION NATO

TO SECDEF WASHDC

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JCS WASHDC

CSAF WASDC

CNO WAHSDC

CSA WAHSDC

USCINCUER VAIHINGEN GERMANY

AFSC ANDREWS AFB MD

C O N F I D E N T I A L USNATO 5967

E.O. 11652: GDS 12/31/79

TAGS: MARR, TGEN, NATO

SUBJECT: MEETING NATO AIR FORCE ARMAMENTS GROUP (NAFAG)

SUB-GROUP 11 (SG/11) ON AIR ASPECTS OF ELECTRONIC

WARFAROE (EW).

JCS FOR J-3 JRC, CASF FOR AFRDPSI, ARDQ, USCINCEUR FOR  
ECJ-3, USNMR SHAPE FOR COL MCFOLIN, AFSC FOR DL AND SWRW

REFS: A. AC/224(SG/11)A/4, 24 OCT 73

B. AC/224(SG/11)D/4, 8 AUG 73

C. AC/224(SG/11)D/5, 5 NOV 73

D. AC/224(SG/11)N/5, 23 OCT 73

E. USNATO,4957, 171245Z OCT 73

1. SUMMARY NAFAG SG/11 MET AT NATO HQ BRUSSELS DEC 4-5, 1973.

AGENDA ITEMS (REF A) FEATURED DISCUSSION OF EW MEASURES

IDENTIFIED BY SHAPE AS HIGH PRIORITY REQUIREMENTS FOR NATO EW

IMPROVEMENT PROGRAM: SELF-PROTECTION ELECTRONIC COUNTER-MEASURES

F(ECM) FOR TACTICAL AIRCRAFT; AN AIR CREW EW TACTICS TRAINING

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FACILITY; AND INFRA-RED (IR) DETECTION AND PROTECTIVE MEASURES  
FOR TACTICAL AIRCRAFT. DISCUSSIONS HELPED CLARIFY OBJECTIVES  
OF SG/11 AND SUBORDINATE GROUPS. US STRESSED NEED FOR DETERMINING  
SPECIFIC REQUIREMENTS BEFORE COMMON INTERESTS FOR COOPERATIVE

EFFORTS CAN BE IDENTIFIED. END SUMMARY.

2. ITEM II. CONSIDERATION OF REPORT BY CHAIRMAN SG/11 TO NAFAG. NTED CHAIRMAN'S REPORT TO NAFAG KREF B). ALSO NOTED PRESENTATION MADE TO CONFERENCE OF NATIONAL ARMAMENT DIRECTORS (CNAD) BY DR. CURRIE (US) AT OCT 73 MEETING (REF C), PARTS OF WHICH DEALT WITH NEED FOR NATO EW IMPROVEMENT. US REP EXPLAINED THAT PURPOSE OF PRESENTATION WAS TO BRING ATTENTION OF HIGHER LEVELS OF NATIONAL AUTHORITIES TO IMPORTANCE OF EW AND NEED FOR PROGRAM SUPPORT AT ALL AND ESPECIALLY HIGHER NATIONAL LEVELS.

3. ITEM III. REPORT OF OPEN PROJECT GROUP (OPGL ON REQUIREMENTS FOR SELF-PROTECTION ECM FOR TACTICAL AIRCRAFT. NOTED REPORT OF CHAIRMAN OPG (REFS D AND E), WHICH SERVED AS BASIS FOR LENGTHY DISCUSSION TENDING TO CLARIFY OBJECTIVES AND METHODS OF OPERATION OF OPG. BECAUSE MOST NATIONS ALREADY HAVE MADE OR ARE ABOUT TO MAKE DECISIONS ON EQUIPPING THIER FIGHTER AIRCRAFT WITH SELF-PROTECTION EW EQUIPMENT (WITH POSSIBLE EXCEPTION OF CHAFF), DISCUSSION DEVELOPED NEED FOR GUIDANCE TO CHAIRMAN OPG. SMALL WORKING GROUP (US,UK, NORWAY, AND SHAPE REPS) DRAFTED GUIDANCE FOR CONTINUATION OF OPG LIMITING ITS IMMEDIATE EFFORT TO CHAFF FOR F-5 AND F-104 AIRCRAFT. SG ADOPTED MODIFIED GUIDELINES. COMMENT. GUIDELINES AND DESIRES OF CHAIRMAN OPG FOR NATIONAL INPUTS AT NEXT OPG MEETING (JAN 30-31), 1974) WILL BE REPORTED SEPTTEL.END COMMENT.

4. ITEM IV. DISCUSSION REGARDING AIR CREW WARFARE TACTICS FACILITY.

US REP MADE BRIEF PRESENTATION ON GENERAL NATURE OF EQUIPMENT AVAILABLE IN US FOR TRAINING OF AIR CREWS IN EW ENVIRONMENT, INCLUDING MATRIX OF TYPES OF REQUIREMENTS VS RANGE EQUIPMENT, WITH ESTIMATED COSTS, MANPOWER REQUIREMENTS, AND AREA NEEDED FOR RANGE OPERATION. SHAPE/USAFE DESCRIBED THE US RADAR BOMB SCORING RANGE (RBS) AT RAMSTEIN, GERMANY, AND ITS USE IN EW TRAINING OF AIR CREWS.

SIMULATIONS OF WARSAW PACT RADARS IS LIMITED ESSENTIALLY TO CONFIDENTIAL

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SA-2 SYSTEM. RANGE IS NOT OPERATED AT FULL CAPACITY; FEW NATO NATIONS HAVE UTILIZED IT. COMMENT. SUGGEST THAT NATO MAAGS BE INFORMED OF CAPABILITIES AND PROCEDURES FOR NATIONS TO USE RAMSTEIN RBS RANGE. END COMMENT.

5. UNINFORMED DISCUSSION BY SG MEMBERS FOLLOWED ON EXPANSION OF FACILITIES AT RAMSTEIN RBS RANGE, TO INCLUDE SA-3 AND SA-6 RADARS, SUGGESTING NATO-FUNDED EFFORT. US REP SUGGESTED CONSIDERATION OF ESTABLISHMENT OF NATO RANGE, FUNDED BY PARTICIPATING NATIONS INSTEAD.

COMMENT. COST ESTIMATES OF FROM \$20 MILLION TO \$50 MILLION WILL NO DOUBT COOL ENTHUSIASM FOR ADEQUATE ARRANGEMENT. END COMMENT.

WORKING GROUP (US, UKTN SHAPE, AND SECRETARIAT) DRAFTED REVISED QUESTIONNAIRE TO BETTER DETERMINE NATIONAL INTERESTS. COMMENT. QUESTIONNAIRE WILL BE REPORTED SEPTEL. END COMMENT.

6. ITEM V. REQUIREMENTS FOR INFRA-RED (IR) COUNTERMEASURES FOR TACTICAL AIRCRAFT.  
DISCUSSION INDICATED NEED FIRST FOR IR DETECTION SYSTEM (ITEM VI BELOW), THEN FOR IR FLARE CAPABILITY, PROBABLY INTEGRATED WITH CHAFF DISPENSER. FURTHER EXPLORATION AND INFORMATION EXCHANGE IS REQUIRED. SHAPE WILL MAKE PRESENTATION AT NEXT SG MEETING ON WARSAW PACT IR THREAT AND ON CURRENT STATE OF THE ART IN DETECTION AND PROTECTION. NATIONS ARE INVITED TO DISCUSS THEIR PLANS AND ACTIVITY AT NEXT SG MEETING.

7. ITEM VI. REQUIREMENTS FOR IR DETECTION SYSTEM FOR TACTICAL AIRCRAFT.  
GERMANY REPORTED REQUEST TO US FOR INFO ON AAR-34 IR DETECTION SYSTEM AND SUBSEQUENT US DENIAL. COMMENT. MISSION HOPES THAT US PRESENTATION CAN INCLUDE INFO ON AAR-34 WITHIN INTENT OF OSD TO ENCOURAGE INFORMATION EXCHANGE WITH NATO ALLIES. END COMMENT.  
INFORMATION EXCHANGE PRESENTATIONS BY US, UK, AND FRG ON NATIONAL EFFORTS IN IR RESEARCH WILL BE ON AGENDA FOR NEXT MEETING.

8. ITEM VII. PROMOTION OF FURTHER COLLABORATIVE EQUIPMENT PROCUREMENT PROGRAMS.  
DISCUSSION EMPHASIZED NEED FOR NATIONS TO IDENTIFY AND DISCUSS CONFIDENTIAL

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THEIR LONG-TERM INTERESTS IN DEVELOPMENT OF EQUIPMENT FOR FUTURE AIRCRAFT. SHAPE WILL COLLATE INFO AND REPORT IF BASES EXIST FOR COLLABORATIVE EFFORTS.

9. ITEM VIII. NEXT MEETING OF SG/11 WILL BE HELD AT NATO HQ BRUSSELS ON FEB 19-20, 1974.  
RUMSFELD

CONFIDENTIAL

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**TAGS:** MARR, TGEN, NATO  
**To:** SECDEF INFO STATE  
JCS  
CSAF WASDC  
CNO WAHSDC  
CSA WAHSDC

USCINCUER VAIHINGEN GERMANY  
AFSC ANDREWS AFB MD

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